

WHAT IS CLAIMED IS:

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AB 1. A display characteristics recognition
5 apparatus comprising:
signal output means connected to a display unit
for displaying an image according to a signal entered, said
display unit displaying the image with a color according to
both the signal and display characteristics of said display
unit, said signal output means outputting a color chart
10 signal representative of a monochrome figure to said
display unit;

color name input means for entering a name of a
color displayed on said display unit in accordance with the
color chart signal outputted from said signal output means;
15 and

display characteristics identification means for
determining display characteristics of said display unit in
accordance with the color chart signal outputted from said
signal output means and the name of the color entered
20 through said color name input means.

2. A display characteristics recognition
apparatus according to claim 1, wherein said display
characteristics identification means determines, as the
25 display characteristics, a relationship between a signal
representative of a white image and a color of an image
displayed on said display unit in accordance with the

signal.

3. A display characteristics recognition apparatus according to claim 2, wherein said display unit is selectively set up to anyone of a plurality of display characteristics, and

said display characteristics identification means determines display characteristics to which said display unit is now set up.

4. A display characteristics recognition apparatus according to claim 1, wherein said display unit is a display in which an image is displayed through emission of light, and

said display characteristics identification means determines, as the display characteristics, luminance of said display.

5. A display characteristics recognition apparatus according to claim 1, wherein said signal output means outputs such a color chart signal that a color of an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as mutually different colors in name is displayed in chromaticity according to display characteristics.

6. A display characteristics recognition

apparatus according to claim 1, wherein said color name input means enters a name of a color selected from among a plurality of colors perceived as mutually different colors in name.

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7. A display characteristics recognition apparatus according to claim 1, wherein said signal output means outputs a plurality of color chart signals each representative of a monochrome figure to said display unit;

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said color name input means enters a name of a color of each of a plurality of monochrome figures; and

said display characteristics identification means determines display characteristics of said display unit in accordance with the plurality of color chart signals

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outputted from said signal output means and the plurality of names of the color entered through said color name input means.

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8. A display characteristics recognition apparatus according to claim 7, wherein said signal output means outputs one of the plurality of color chart signals, and thereafter outputs, of the plurality of color chart signals, a color chart signal according to the name entered through said color name input means to said display unit.

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9. A display characteristics recognition apparatus according to claim 1, wherein said signal output

means outputs the color chart signal to said display unit,
and in addition outputs to said display unit a signal
causing black to be displayed around the monochrome figure
displayed on said display unit according to the color chart
5 signal.

10. A display characteristics recognition
apparatus according to claim 1, wherein said signal output
means outputs the color chart signal to said display unit,
and in addition outputs to said display unit a signal
causing gray to be displayed around the monochrome figure
displayed on said display unit according to the color chart
signal and further causing black to be displayed around the
gray.

15 11. A display characteristics recognition
apparatus according to claim 1, wherein said signal output
means outputs a series of color chart signals such that a
series of colors in adjacent areas for two sorts of colors
adjacent to one another on a chromaticity diagram are
20 displayed, and

said color name input means selects a color
corresponding to a boundary of the two sorts of colors from
among the displayed series of colors.

25 12. A display characteristics recognition
apparatus according to claim 1, wherein said display

characteristics recognition apparatus further comprises
profile producing means for generating data representative
of display characteristics determined by said display
characteristics identification means in a predetermined
5 format to produce a profile representative of
characteristics as to display of an image by said display
unit including the data.

13. A display characteristics recognition
10 apparatus according to claim 1, wherein said display
characteristics recognition apparatus further comprises:
profile storage means for storing various sorts of
profiles each representative of characteristics as to
display of an image by a display unit including data
15 indicative of various display characteristics in a common
format; and
profile selection means for selecting one profile
from among the various sorts of profiles stored in said
profile storage means in accordance with the display
20 characteristics determined by said display characteristics
identification means.

14. A display characteristics recognition program
storage medium storing a display characteristics
25 recognition program comprising:
signal output means connected to a display unit
for displaying an image according to a signal entered, said

display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said signal output means outputting a color chart signal representative of a monochrome figure to said display unit;

color name input means for entering a name of a color displayed on said display unit in accordance with the color chart signal outputted from said signal output means; and

display characteristics identification means for determining display characteristics of said display unit in accordance with the color chart signal outputted from said signal output means and the name of the color entered through said color name input means.

15. A computer system comprising:

a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit;

a main frame unit for outputting to said display unit a color chart signal representative of a monochrome figure and color name signals, which are representative of a plurality of color names, respectively; and

input unit for entering a color name selected from among said plurality of color names to said main frame unit in accordance with an operation,

wherein said main frame unit determines display characteristics of said display unit in accordance with the color chart signal outputted toward said display unit and the color name entered through said input unit.

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16. A computer system comprising:

a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit;

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a main frame unit for outputting to said display unit a series of color chart signals such that a series of colors in adjacent areas for two sorts of colors adjacent to one another on a chromaticity diagram are displayed; and

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input unit for entering a color corresponding to a boundary of the two sorts of colors, which is selected from among the series of colors displayed on said display unit, to said main frame unit in accordance with an operation,

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wherein said main frame unit determines display characteristics of said display unit in accordance with the color chart signal outputted toward said display unit and the color entered through said input unit.

17. A computer system according to claim 16

wherein said main frame unit outputs to said display unit the series of color chart signals, and in addition a message signal representative of a message inquiring as to

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from which color of the series of colors displayed on said display unit an operator visually identifies it as a color of a specified color name.

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18. A computer system comprising:

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a display unit for displaying an image according to a signal entered, said display unit displaying on a luminous display basis the image with a color according to both the signal and display characteristics of said display unit;

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a main frame unit for outputting to said display unit color chart signals representative of a plurality of monochrome figures associated with mutually different luminance of said display unit, each of the plurality of monochrome figures being displayed with a color of a specified color name under an associated luminance; and

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input unit for selectively entering a monochrome figure displayed with a color of the specified color name of the plurality of monochrome figures displayed on said display unit, to said main frame unit in accordance with an operation,

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wherein said main frame unit determines luminance of said display unit in accordance with the color chart signal outputted toward said display unit and the monochrome figure entered through said input unit.

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19. A computer system according to claim 18,

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wherein said main frame unit outputs color chart signals representative of a plurality of monochrome figures associated with mutually different luminance of said display unit, each of the plurality of monochrome figures being displayed with such a color that persons of a predetermined ratio and up recognize it as the color of the specified color name under an associated luminance.

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20. A display characteristics adjusting apparatus for adjusting display characteristics of a display unit for displaying an image according to a signal entered, said display unit displaying the image with a color according to both the signal and display characteristics of said display unit, said display characteristics adjusting apparatus comprising:

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signal output means for outputting to said display unit such a color chart signal that a color belonging to an adjacent area as to colors adjacent to one another on a chromaticity diagram of a plurality of colors perceived as

20 mutually different colors in name is displayed on said display unit in accordance with display characteristics of said display unit.

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21. A display characteristics adjusting program storage medium storing a display characteristics adjusting program incorporated into a computer system, said display characteristics adjusting program causing said computer

system to operate a display characteristics adjusting
apparatus for adjusting display characteristics of a
display unit for displaying an image according to a signal
entered, said display unit displaying the image with a
5 color according to both the signal and display
characteristics of said display unit, said display
characteristics adjusting program comprising:

signal output means for outputting to said display
unit such a color chart signal that a color belonging to an
10 adjacent area as to colors adjacent to one another on a
chromaticity diagram of a plurality of colors perceived as
mutually different colors in name is displayed on said
display unit in accordance with display characteristics of
said display unit.

15 22. A computer system comprising:

a display unit for displaying an image according
to a signal entered, said display unit displaying the image
with a color according to both the signal and display
20 characteristics of said display unit;

adjusting means for adjusting display
characteristics of said display unit in accordance with an
operation; and

a main frame unit for outputting to said display
25 unit such a color chart signal that a color belonging to an
adjacent area as to colors adjacent to one another on a
chromaticity diagram of a plurality of colors perceived as

mutually different colors in name is displayed on said display unit in accordance with display characteristics of said display unit.

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